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DATE: Thursday, February 10, 2005

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L3	L2 and (sequence or gene or nucle\$)	28
<input type="checkbox"/>	L2	L1 and luciferase	28
<input type="checkbox"/>	L1	phrixothrix	28

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 10 of 28 returned.

☐ 1. Document ID: US 20040002127 A1

Using default format because multiple data bases are involved.

L3: Entry 1 of 28

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040002127

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040002127 A1

TITLE: Luciferase and photoprotein

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Inouye, Satoshi	Yokohama-shi		JP	

US-CL-CURRENT: 435/8; 435/191, 435/320.1, 435/325, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 20030135871 A1

L3: Entry 2 of 28

File: PGPB

Jul 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030135871

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030135871 A1

TITLE: Modified railroad worm red luciferase coding sequences

PUBLICATION-DATE: July 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Nawotka, Kevin A.	Alameda	CA	US	
Zhang, Weisheng	Fremont	CA	US	

US-CL-CURRENT: 800/8; 435/320.1, 435/325, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 20030113741 A1

L3: Entry 3 of 28

File: PGPB

Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030113741
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030113741 A1

TITLE: Apparatus and method for detecting and identifying infectious agents

PUBLICATION-DATE: June 19, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bryan, Bruce J.	Beverly Hills	CA	US	
Gaalema, Stephen	Colorado Springs	CO	US	
Murphy, Randall B.	Irvington	NY	US	

US-CL-CURRENT: 435/6; 435/287.2, 435/7.9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 4. Document ID: US 20030092098 A1

L3: Entry 4 of 28

File: PGPB

May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030092098
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030092098 A1

TITLE: Renilla reniformis fluorescent proteins, nucleic acids encoding the fluorescent proteins and the use thereof in diagnostics, high throughput screening and novelty items

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bryan, Bruce	Beverly Hills	CA	US	
Szent-Gyorgyi, Christopher	Pittsburgh	PA	US	
Szczepaniak, William	Pittsburgh	PA	US	

US-CL-CURRENT: 435/69.1; 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 5. Document ID: US 20030066096 A1

L3: Entry 5 of 28

File: PGPB

Apr 3, 2003

h e b b g e e e f e f e f b e

PGPUB-DOCUMENT-NUMBER: 20030066096
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030066096 A1

TITLE: Bioluminescent novelty items

PUBLICATION-DATE: April 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bryan, Bruce	Beverly Hills	CA	US	

US-CL-CURRENT: 800/8; 162/162, 42/54, 424/450, 424/456, 424/70.14, 442/131

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RUOC	Draw D
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☐ 6. Document ID: US 20030059798 A1

L3: Entry 6 of 28

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030059798
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030059798 A1

TITLE: Apparatus and method for detecting and identifying infectious agents

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bryan, Bruce J.	Beverly Hills	CA	US	
Gaalema, Stephen	Colorado Springs	CO	US	
Murphy, Randall B.	Irvington	NY	US	

US-CL-CURRENT: 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RUOC	Draw D
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☐ 7. Document ID: US 20030013103 A1

L3: Entry 7 of 28

File: PGPB

Jan 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030013103
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030013103 A1

TITLE: Apparatus and method for detecting and identifying infectious agents

PUBLICATION-DATE: January 16, 2003

INVENTOR-INFORMATION:

h e b b g e e e f e f e f b e

NAME	CITY	STATE	COUNTRY	RULE-47
Bryan, Bruce J.	Beverly Hills	CA	US	
Gaalema, Stephen	Colorado Springs	CO	US	
Murphy, Randall B.	Irvington	NY	US	

US-CL-CURRENT: 435/6; 356/319, 435/287.2, 435/7.9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWAC	Draw De
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☐ 8. Document ID: US 20020119542 A1

L3: Entry 8 of 28

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020119542

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020119542 A1

TITLE: Nucleic acid molecules encoding red and green emitting luciferases

PUBLICATION-DATE: August 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Viviani, Vadim R.	Somerville	MA	US	
Ohmiya, Yoshihiro	Shimizu		JP	

US-CL-CURRENT: 435/189; 435/320.1, 435/325, 435/69.1, 435/8, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWAC	Draw De
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☐ 9. Document ID: US 20020102687 A1

L3: Entry 9 of 28

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020102687

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020102687 A1

TITLE: Luciferase and photoprotein

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Inouye, Satoshi	Yokohama-shi		JP	

US-CL-CURRENT: 435/189; 435/325, 435/8, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWAC	Draw De
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☐ 10. Document ID: US 20020090659 A1

L3: Entry 10 of 28

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020090659

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020090659 A1

TITLE: Detection and visualization of neoplastic tissues and other tissues

PUBLICATION-DATE: July 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bryan, Bruce	Beverly Hills	CA	US	

US-CL-CURRENT: 435/7.23; 424/9.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWAC	Draw D
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L2 and (sequence or gene or nucle\$)

28

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Search Results - Record(s) 11 through 20 of 28 returned.

☐ 11. Document ID: US 20020004942 A1

Using default format because multiple data bases are involved.

L3: Entry 11 of 28

File: PGPB

Jan 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020004942

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020004942 A1

TITLE: Bioluminescent novelty items

PUBLICATION-DATE: January 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bryan, Bruce	Beverly Hills	CA	US	

US-CL-CURRENT: 800/288

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 12. Document ID: US 6682899 B2

L3: Entry 12 of 28

File: USPT

Jan 27, 2004

US-PAT-NO: 6682899

DOCUMENT-IDENTIFIER: US 6682899 B2

TITLE: Apparatus and method for detecting and identifying infectious agents

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 13. Document ID: US 6649357 B2

L3: Entry 13 of 28

File: USPT

Nov 18, 2003

US-PAT-NO: 6649357

DOCUMENT-IDENTIFIER: US 6649357 B2

TITLE: Apparatus and method for detecting and identifying infectious agents

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 14. Document ID: US 6649356 B2

L3: Entry 14 of 28

File: USPT

Nov 18, 2003

US-PAT-NO: 6649356

DOCUMENT-IDENTIFIER: US 6649356 B2

TITLE: Apparatus and method for detecting and identifying infectious agents

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 15. Document ID: US 6596257 B2

L3: Entry 15 of 28

File: USPT

Jul 22, 2003

US-PAT-NO: 6596257

DOCUMENT-IDENTIFIER: US 6596257 B2

TITLE: Detection and visualization of neoplastic tissues and other tissues

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 16. Document ID: US 6544754 B2

L3: Entry 16 of 28

File: USPT

Apr 8, 2003

US-PAT-NO: 6544754

DOCUMENT-IDENTIFIER: US 6544754 B2

TITLE: Oplophorus luciferase subunits

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 17. Document ID: US 6458547 B1

L3: Entry 17 of 28

File: USPT

Oct 1, 2002

US-PAT-NO: 6458547

DOCUMENT-IDENTIFIER: US 6458547 B1

TITLE: Apparatus and method for detecting and identifying infectious agents

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 18. Document ID: US 6436682 B1

L3: Entry 18 of 28

File: USPT

Aug 20, 2002

US-PAT-NO: 6436682

DOCUMENT-IDENTIFIER: US 6436682 B1

TITLE: Luciferases, fluorescent proteins, nucleic acids encoding the luciferases and fluorescent proteins and the use thereof in diagnostics, high throughput screening and novelty items

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Draw De
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☐ 19. Document ID: US 6416960 B1

L3: Entry 19 of 28

File: USPT

Jul 9, 2002

US-PAT-NO: 6416960

DOCUMENT-IDENTIFIER: US 6416960 B1

TITLE: Detection and visualization of neoplastic tissues and other tissues

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Draw De
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☐ 20. Document ID: US 6247995 B1

L3: Entry 20 of 28

File: USPT

Jun 19, 2001

US-PAT-NO: 6247995

DOCUMENT-IDENTIFIER: US 6247995 B1

TITLE: Bioluminescent novelty items

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Draw De
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Documents

L2 and (sequence or gene or nucle\$)

28

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Search Results - Record(s) 21 through 28 of 28 returned.

☐ 21. Document ID: US 6232107 B1

Using default format because multiple data bases are involved.

L3: Entry 21 of 28

File: USPT

May 15, 2001

US-PAT-NO: 6232107

DOCUMENT-IDENTIFIER: US 6232107 B1

TITLE: Luciferases, fluorescent proteins, nucleic acids encoding the luciferases and fluorescent proteins and the use thereof in diagnostics, high throughput screening and novelty items

DATE-ISSUED: May 15, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bryan; Bruce J.	Beverly Hills	CA	90210	
Szent-Gyorgyi; Christopher	Pittsburgh	PA		

US-CL-CURRENT: 435/189; 435/183, 435/252.2, 435/320.1, 435/6, 435/69.1, 435/8

Full	Title	Citation	Front	Review	Classification	Date	Reference				Claims	KWIC	Draw D
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☐ 22. Document ID: US 6152358 A

L3: Entry 22 of 28

File: USPT

Nov 28, 2000

US-PAT-NO: 6152358

DOCUMENT-IDENTIFIER: US 6152358 A

**** See image for Certificate of Correction ****

TITLE: Bioluminescent novelty items

Full	Title	Citation	Front	Review	Classification	Date	Reference				Claims	KWIC	Draw D
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☐ 23. Document ID: US 6113886 A

L3: Entry 23 of 28

File: USPT

Sep 5, 2000

US-PAT-NO: 6113886

DOCUMENT-IDENTIFIER: US 6113886 A

**** See image for Certificate of Correction ****

TITLE: Bioluminescent novelty items

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw De
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☐ 24. Document ID: US 5876995 A

L3: Entry 24 of 28

File: USPT

Mar 2, 1999

US-PAT-NO: 5876995

DOCUMENT-IDENTIFIER: US 5876995 A

**** See image for Certificate of Correction ****

TITLE: Bioluminescent novelty items

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw De
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☐ 25. Document ID: WO 3016839 A2

L3: Entry 25 of 28

File: EPAB

Feb 27, 2003

PUB-NO: WO003016839A2

DOCUMENT-IDENTIFIER: WO 3016839 A2

TITLE: MODIFIED RAILROAD WORM RED LUCIFERASE CODING SEQUENCES

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw De
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☐ 26. Document ID: WO 2004099421 A1

L3: Entry 26 of 28

File: DWPI

Nov 18, 2004

DERWENT-ACC-NO: 2004-821680

DERWENT-WEEK: 200481

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TITLE: Novel polypeptide comprising Phrixothrix red luciferase light emitting protein, useful for screening drug, and for detecting transcriptional activity of gene in cell

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw De
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☐ 27. Document ID: AU 2002332559 A1, WO 2003016839 A2, US 20030135871 A1

L3: Entry 27 of 28

File: DWPI

Mar 3, 2003

DERWENT-ACC-NO: 2003-268358

DERWENT-WEEK: 200452

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TITLE: Novel modified polynucleotide of Phrixothrix hirtus red luciferase encoding polypeptide capable of mediating light-production, useful as reporter molecule in

host cells and/or transgenic animals

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 28. Document ID: US 20020119542 A1

L3: Entry 28 of 28

File: DWPI

Aug 29, 2002

DERWENT-ACC-NO: 2002-618950

DERWENT-WEEK: 200266

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TITLE: Nucleic acid molecules encoding luciferases used as diagnostic tools

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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NEWS	6	DEC 01	LISA now available on STN
NEWS	7	DEC 09	12 databases to be removed from STN on December 31, 2004
NEWS	8	DEC 15	MEDLINE update schedule for December 2004
NEWS	9	DEC 17	ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	10	DEC 17	COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	11	DEC 17	SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	12	DEC 17	CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	13	DEC 17	THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS	14	DEC 30	EPFULL: New patent full text database to be available on STN
NEWS	15	DEC 30	CAPLUS - PATENT COVERAGE EXPANDED
NEWS	16	JAN 03	No connect-hour charges in EPFULL during January and February 2005
NEWS	17	JAN 26	CA/CAPLUS - Expanded patent coverage to include the Russian Agency for Patents and Trademarks (ROSPATENT)
NEWS	18	FEB 10	STN Patent Forums to be held in March 2005
NEWS EXPRESS			JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
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ENTRY	SESSION
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FULL ESTIMATED COST

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=> s phrixothrix
L1 76 PHRIXOTHRIX

=> s l1 and luciferase
L2 63 L1 AND LUCIFERASE

=> s l2 and (sequence or gene)
7 FILES SEARCHED...
L3 49 L2 AND (SEQUENCE OR GENE)

=> dup rem l3
PROCESSING COMPLETED FOR L3
L4 15 DUP REM L3 (34 DUPLICATES REMOVED)

=> d 1-10

L4 ANSWER 1 OF 15 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 1
AN 2005-01290 BIOTECHDS
TI Novel polypeptide comprising **Phrixothrix** red **luciferase**
light emitting protein, useful for screening drug, and for detecting

transcriptional activity of **gene** in cell;
involving vector-mediated **gene** transfer and expression in
host cell

AU OHMIYA Y; NAKAJIMA Y
PA NAT INST ADVANCED IND SCI and TECHNOLOGY
PI WO 2004099421 18 Nov 2004
AI WO 2004-JP6362 30 Apr 2004
PRAI JP 2003-407564 5 Dec 2003; JP 2003-127629 6 May 2003
DT Patent
LA Japanese
OS WPI: 2004-821680 [81]

L4 ANSWER 2 OF 15 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:355110 HCAPLUS
DN 140:371471
TI Use of osmolytes to heat-stabilize **luciferase** and/or apyrase
IN Nyren, Pal
PA Biotage AB, Swed.
SO PCT Int. Appl., 49 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004035818	A1	20040429	WO 2003-SE1627	20031021
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
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PRAI SE 2002-3089 A 20021021
US 2002-319635P P 20021021

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ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 15 MEDLINE on STN DUPLICATE 2
AN 2004530157 IN-PROCESS
DN PubMed ID: 15502355
TI GroEL chaperone binding to beetle **luciferases** and the implications for refolding when co-expressed.
AU Venkatesh Balan; Arifuzzaman Mohammad; Mori Hirotada; Taguchi Takahisa; Ohmiya Yoshihiro
CS Cell Dynamics Research Group, National Institute of Advanced Industrial Science and Technology, Ikeda, Osaka 563-8577, Japan..
venkatesh_balan@hotmail.com
SO Bioscience, biotechnology, and biochemistry, (2004 Oct) 68 (10) 2096-103.
Journal code: 9205717. ISSN: 0916-8451.
CY Japan
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS IN-PROCESS; NONINDEXED; Priority Journals
ED Entered STN: 20041026
Last Updated on STN: 20041219

L4 ANSWER 4 OF 15 MEDLINE on STN DUPLICATE 3
AN 2004219564 MEDLINE
DN PubMed ID: 15118331
TI Improved expression of novel red- and green-emitting **luciferases**

of **Phrixothrix** railroad worms in mammalian cells.

AU Nakajima Yoshihiro; Kimura Takuma; Suzuki Chie; Ohmiya Yoshihiro
 CS Cell Dynamics Research Group, Research Institute for Cell Engineering,
 National Institute of Advanced Industrial Science and Technology, Ikeda,
 Osaka, Japan.. y-nakajima@aist.go.jp
 SO Bioscience, biotechnology, and biochemistry, (2004 Apr) 68 (4) 948-51.
 Journal code: 9205717. ISSN: 0916-8451.
 CY Japan
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200501
 ED Entered STN: 20040501
 Last Updated on STN: 20050112
 Entered Medline: 20050111

L4 ANSWER 5 OF 15 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on
 STN
 AN 2005:27474 BIOSIS
 DN PREV200500026417
 TI A novel tricolour reporter assay system for simultaneous monitoring of
 multiple **gene** expressions.
 AU Nakajima, Y.; Ohmiya, Y.
 SO Luminescence (Chichester), (May 2004) Vol. 19, No. 3, pp. 165. print.
 Meeting Info.: 13th International Symposium on Bioluminescence and
 Chemiluminescence. Yokohama, Japan. August 02-06, 2004.
 ISSN: 1522-7235 (ISSN print).
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 5 Jan 2005
 Last Updated on STN: 5 Jan 2005

L4 ANSWER 6 OF 15 MEDLINE on STN DUPLICATE 4
 AN 2004237193 MEDLINE
 DN PubMed ID: 15135064
 TI Bidirectional role of orphan nuclear receptor RORalpha in clock
gene transcriptions demonstrated by a novel reporter assay system.
 AU Nakajima Yoshihiro; Ikeda Masaaki; Kimura Takuma; Honma Sato; Ohmiya
 Yoshihiro; Honma Ken-ichi
 CS Cell Dynamics Research Group, Research Institute for Cell Engineering,
 National Institute of Advanced Industrial Science and Technology (AIST),
 Midorigaoka, Ikeda, Osaka 563-8577, Japan.. y-nakajima@aist.go.jp
 SO FEBS letters, (2004 May 7) 565 (1-3) 122-6.
 Journal code: 0155157. ISSN: 0014-5793.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200406
 ED Entered STN: 20040512
 Last Updated on STN: 20040625
 Entered Medline: 20040623

L4 ANSWER 7 OF 15 MEDLINE on STN DUPLICATE 5
 AN 2004155193 MEDLINE
 DN PubMed ID: 15047906
 TI The influence of the region between residues 220 and 344 and beyond in
 Phrixotrix railroad worm **luciferases** green and red
 bioluminescence.
 AU Viviani Vadim R; Joaquim da Silva Neto Antonio; Ohmiya Yoshihiro
 CS Department of Molecular and Cellular Biology, Harvard University,
 Cambridge, MA, USA.. viviani@rc.unesp.br
 SO Protein Eng Des Sel, (2004 Feb) 17 (2) 113-7.

Journal code: 101186484. ISSN: 1741-0126.

CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200412
ED Entered STN: 20040330
Last Updated on STN: 20041222
Entered Medline: 20041221

L4 ANSWER 8 OF 15 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on
STN DUPLICATE 6
AN 2004:137278 BIOSIS
DN PREV200400140438
TI An in vivo dual-reporter system of cyanobacteria using two railroad-worm
luciferases with different color emissions.
AU Kitayama, Yohko; Kondo, Takao; Nakahira, Yoichi; Nishimura, Hideya;
Ohmiya, Yoshihiro; Oyama, Tokitaka [Reprint Author]
CS Department of Biological Science, Graduate School of Science, Core
Research for Evolutional Science and Technology (CREST), Japan Science and
Technology Agency (JST), Nagoya University, Furo-cho, Chikusa-ku, Nagoya,
Aichi, 464-8602, Japan
oyama@biol1.bio.nagoya-u.ac.jp
SO Plant and Cell Physiology, (January 2004) Vol. 45, No. 1, pp. 109-113.
print.
ISSN: 0032-0781 (ISSN print).
DT Article
LA English
ED Entered STN: 10 Mar 2004
Last Updated on STN: 10 Mar 2004

L4 ANSWER 9 OF 15 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:146485 HCAPLUS
DN 140:214271
TI Basic and application principle on the bioluminescence system of insect
luciferases
AU Ohmiya, Yoshihiro
CS Cell Dynamics Res. Group., The Special Div. Human Life Technol., Natl.
Inst. Adv. Ind. Sci. Technol., Ikeda, 563-8577, Japan
SO Seikagaku (2004), 76(1), 5-15
CODEN: SEIKAQ; ISSN: 0037-1017
PB Nippon Seikagakkai
DT Journal; General Review
LA Japanese

L4 ANSWER 10 OF 15 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 7
AN 2003-12415 BIOTECHDS
TI Novel modified polynucleotide of **Phrixothrix** hirtus red
luciferase encoding polypeptide capable of mediating
light-production, useful as reporter molecule in host cells and/or
transgenic animals;
recombinant enzyme protein production useful for **gene**
expression monitoring
AU NAWOTKA K A; ZHANG W
PA XENOGEN CORP
PI WO 2003016839 27 Feb 2003
AI WO 2002-US26170 15 Aug 2002
PRAI US 2001-312697 15 Aug 2001; US 2001-312687 15 Aug 2001
DT Patent
LA English
OS WPI: 2003-268358 [26]

=> d 11-15

L4 ANSWER 11 OF 15 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 8

AN 2003-01481 BIOTECHDS

TI Nucleic acid molecules encoding **luciferases** used as diagnostic
tools;

vector-mediated **Phrixothrix** vivianii recombinant enzyme
gene transfer and expression in host cell for disease
diagnosis

AU VIVIANI V R; OHMIYA Y

PA VIVIANI V R; OHMIYA Y

PI US 2002119542 29 Aug 2002

AI US 2001-993874 14 Nov 2001

PRAI US 2001-993874 14 Nov 2001; US 1999-388290 1 Sep 1999

DT Patent

LA English

OS WPI: 2002-618950 [66]

L4 ANSWER 12 OF 15 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:269080 HCAPLUS

DN 134:277609

TI Luminescence assay system using luminescence reporter **gene**

IN Omiya, Katsuhiko; Ryufuku, Masayuki; Ono, Shoji; Takeuchi, Hideyuki

PA Toyo Ink Mfg. Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001103956	A2	20010417	JP 1999-288932	19991012
	WO 2001027316	A1	20010419	WO 2000-JP7049	20001011
	W: US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,				
	PT, SE				
PRAI	JP 1999-288932	A	19991012		

L4 ANSWER 13 OF 15 MEDLINE on STN

DUPLICATE 9

AN 2001151807 MEDLINE

DN PubMed ID: 11162668

TI Thr226 is a key residue for bioluminescence spectra determination in
beetle **luciferases**.

AU Viviani V; Uchida A; Suenaga N; Ryufuku M; Ohmiya Y

CS Department of Biochemistry, Shizuoka University, Shizuoka-shi, Japan..
viviani@fas.harvard.edu

SO Biochemical and biophysical research communications, (2001 Feb 9) 280 (5)
1286-91.

Journal code: 0372516. ISSN: 0006-291X.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200103

ED Entered STN: 20010404

Last Updated on STN: 20010404

Entered Medline: 20010315

L4 ANSWER 14 OF 15 MEDLINE on STN

DUPLICATE 10

AN 2000440153 MEDLINE

DN PubMed ID: 10946582

TI Bioluminescence color determinants of **Phrixothrix** railroad-worm
luciferases: chimeric **luciferases**, site-directed

mutagenesis of Arg 215 and guanidine effect.
 AU Viviani V R; Ohmiya Y
 CS Department of Molecular and Cell Biology, Harvard University, Cambridge,
 MA, USA.. viviani@fas.harvard.edu
 SO Photochemistry and photobiology, (2000 Aug) 72 (2) 267-71.
 Journal code: 0376425. ISSN: 0031-8655.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200009
 ED Entered STN: 20000928
 Last Updated on STN: 20000928
 Entered Medline: 20000918

L4 ANSWER 15 OF 15 MEDLINE on STN DUPLICATE 11

AN 1999315203 MEDLINE
 DN PubMed ID: 10387072
 TI Cloning, **sequence** analysis, and expression of active
Phrixothrix railroad-worms **luciferases**: relationship
 between bioluminescence spectra and primary structures.
 AU Viviani V R; Bechara E J; Ohmiya Y
 CS Department of Biochemistry, Faculty of Education, Shizuoka University,
 Japan.. viviani@fas.harvard.edu
 SO Biochemistry, (1999 Jun 29) 38 (26) 8271-9.
 Journal code: 0370623. ISSN: 0006-2960.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-AF139644; GENBANK-AF139645
 EM 199907
 ED Entered STN: 19990730
 Last Updated on STN: 19990730
 Entered Medline: 19990722

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(FILE 'HOME' ENTERED AT 20:05:00 ON 10 FEB 2005)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS,
 NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 20:05:10 ON 10 FEB 2005

L1 76 S PHRIXOTHRIX
 L2 63 S L1 AND LUCIFERASE
 L3 49 S L2 AND (SEQUENCE OR GENE)
 L4 15 DUP REM L3 (34 DUPLICATES REMOVED)

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